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80 to 73 nearly ; for as 80 to 73, so is 480 to 438 ; and lastly, that the *Avoirdupois* Pound and Ounce is to the *Paris* Two *Marc* Weight and Ounce, as 63 to 68 nearly ; for as 63 to 68, so is 7004 to 7559.873.

4. The *Paris* Foot, expressed in Decimals, is equal to 1.0654 of the *English* Foot, or contains 12.785 *English* Inches.

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VI. *A Method of making a Gold-colour'd Glazing for Earthen-Ware ; communicated, in Latin, in a Letter from M. Godofridus Heinsius, Astron. Prof. at St. Petersburg, to Mr. Peter Collinson, F. R. S.*

Read Nov. 11.  
1742.

TAKE of Litharge parts iij. of Sand or calcined Flint p. i. pound and mix these very well together, then run them into a yellow Glass with a strong Fire. Pound this Glass, and grind it into a subtile Powder, which moisten with a well saturated Solution of Silver, make it into a Paste, which put into a Crucible, and cover it with a Cover. Give at first a gentle Degree of Fire, then increase it, and continue it till you have a Glass, which will be green. Pound this Glass again, and grind it to a fine Powder ; moisten this Powder with some Beer, so that by means of an Hair Pencil you may apply it upon the Vessels, [or any Piece of Earthen-ware]. The Vessels that are painted or cover'd over with this Glazing, must be first well heated, then put under a Muffle, and as soon as the Glass runs, you must \* smook them, and take out the Vessels.

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\* *Afflare debes fumum.*